

August 02, 2016

Monte Peake
Civil & Environmental Consultants
4848 Park 370 Blvd.
Suite F
Hazelwood, MO 63042
TEL: (314) 656-4566
FAX: (314) 656-4595



RE: Huster Road Substation 120-678

WorkOrder: 16071689

Dear Monte Peake:

TEKLAB, INC received 5 samples on 7/27/2016 3:12:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Michael L. Austin
Project Manager
(618)344-1004 ex 16
MAustin@teklabinc.com



30279613

Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

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Definitions

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16071689

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Abbr Definition

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.

DNI Did not ignite

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surrogate Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Qualifiers

- Unknown hydrocarbon

B - Analyte detected in associated Method Blank

E - Value above quantitation range

H - Holding times exceeded

I - Associated internal standard was outside method criteria

J - Analyte detected below quantitation limits

M - Manual Integration used to determine area response

ND - Not Detected at the Reporting Limit

R - RPD outside accepted recovery limits

S - Spike Recovery outside recovery limits

T - TIC(Tentatively identified compound)

X - Value exceeds Maximum Contaminant Level



Case Narrative

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

Cooler Receipt Temp: 20.22 °C

Locations and Accreditations

	Collinsville	Springfield	Kansas City	Collinsville Air
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	3920 Pintail Dr Springfield, IL 62711-9415	8421 Nieman Road Lenexa, KS 66214	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004	(217) 698-1004	(913) 541-1998	(618) 344-1004
Fax	(618) 344-1005	(217) 698-1005	(913) 541-1998	(618) 344-1005
Email	jhriley@teklabinc.com	KKlostermann@teklabinc.com	dthompson@teklabinc.com	EHurley@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2017	Collinsville
Kansas	KDHE	E-10374	NELAP	8/31/2016	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2017	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2017	Collinsville
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2017	Collinsville
Arkansas	ADEQ	88-0966		3/14/2017	Collinsville
Illinois	IDPH	17584		5/31/2017	Collinsville
Kentucky	KDEP	98006		12/31/2016	Collinsville
Kentucky	UST	0073		1/31/2017	Collinsville
Missouri	MDNR	00930		5/31/2017	Collinsville
Missouri	MDNR	930		1/31/2017	Collinsville
Oklahoma	ODEQ	9978		8/31/2016	Collinsville

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-001

Client Sample ID: CW-4

Matrix: GROUNDWATER

Collection Date: 07/27/2016 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/28/2016 11:54	121043
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/28/2016 11:54	121043
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,2-D bromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,2-D bromoethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
2-Butanone	NELAP	25.0		ND	µg/L	1	07/28/2016 11:54	121043
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/28/2016 11:54	121043
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/28/2016 11:54	121043
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/28/2016 11:54	121043
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/28/2016 11:54	121043
Acetone	NELAP	25.0		ND	µg/L	1	07/28/2016 11:54	121043
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/28/2016 11:54	121043
Acrolein	NELAP	100		ND	µg/L	1	07/28/2016 11:54	121043
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Benzene	NELAP	2.0		ND	µg/L	1	07/28/2016 11:54	121043
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Bromoform	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Bromomethane	NELAP	10.0		ND	µg/L	1	07/28/2016 11:54	121043
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Chloroethane	NELAP	10.0		ND	µg/L	1	07/28/2016 11:54	121043

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-001

Client Sample ID: CW-4

Matrix: GROUNDWATER

Collection Date: 07/27/2016 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Chloromethane	NELAP	10.0		ND	µg/L	1	07/28/2016 11:54	121043
Chloroprene	NELAP	20.0		ND	µg/L	1	07/28/2016 11:54	121043
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Cyclohexanone		50.0		ND	µg/L	1	07/28/2016 11:54	121043
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/28/2016 11:54	121043
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/28/2016 11:54	121043
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/28/2016 11:54	121043
Iodomethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Isopropyl benzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/28/2016 11:54	121043
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/28/2016 11:54	121043
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/28/2016 11:54	121043
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Naphthalene	NELAP	10.0		ND	µg/L	1	07/28/2016 11:54	121043
n-Butyl acetate		25.0		ND	µg/L	1	07/28/2016 11:54	121043
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
n-Heptane		20.0		ND	µg/L	1	07/28/2016 11:54	121043
n-Hexane		20.0		ND	µg/L	1	07/28/2016 11:54	121043
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/28/2016 11:54	121043
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
o-Xylene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/28/2016 11:54	121043
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Propionitrile	NELAP	50.0		ND	µg/L	1	07/28/2016 11:54	121043
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Styrene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/28/2016 11:54	121043
Toluene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/28/2016 11:54	121043
Trichloroethene	NELAP	5.0	S	ND	µg/L	1	07/28/2016 11:54	121043
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 11:54	121043
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/28/2016 11:54	121043

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-001

Client Sample ID: CW-4

Matrix: GROUNDWATER

Collection Date: 07/27/2016 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/28/2016 11:54	121043
Surr: 1,2-Dichloroethane-d4		74.7-129		94.1	%REC	1	07/28/2016 11:54	121043
Surr: 4-Bromofluorobenzene		86-119		93.5	%REC	1	07/28/2016 11:54	121043
Surr: D bromofluoromethane		81.7-123		99.9	%REC	1	07/28/2016 11:54	121043
Surr: Toluene-d8		84.3-114		96.2	%REC	1	07/28/2016 11:54	121043

MS did not recover within control limits for Trichloroethene due to matrix interference.

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-002

Client Sample ID: CW-5

Matrix: GROUNDWATER

Collection Date: 07/27/2016 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/28/2016 12:23	121043
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/28/2016 12:23	121043
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,2-D bromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,2-D bromoethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
2-Butanone	NELAP	25.0		ND	µg/L	1	07/28/2016 12:23	121043
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/28/2016 12:23	121043
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/28/2016 12:23	121043
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/28/2016 12:23	121043
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/28/2016 12:23	121043
Acetone	NELAP	25.0		ND	µg/L	1	07/28/2016 12:23	121043
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/28/2016 12:23	121043
Acrolein	NELAP	100		ND	µg/L	1	07/28/2016 12:23	121043
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Benzene	NELAP	2.0		ND	µg/L	1	07/28/2016 12:23	121043
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Bromoform	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Bromomethane	NELAP	10.0		ND	µg/L	1	07/28/2016 12:23	121043
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Chloroethane	NELAP	10.0		ND	µg/L	1	07/28/2016 12:23	121043

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-002

Client Sample ID: CW-5

Matrix: GROUNDWATER

Collection Date: 07/27/2016 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Chloromethane	NELAP	10.0		ND	µg/L	1	07/28/2016 12:23	121043
Chloroprene	NELAP	20.0		ND	µg/L	1	07/28/2016 12:23	121043
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Cyclohexanone		50.0		ND	µg/L	1	07/28/2016 12:23	121043
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/28/2016 12:23	121043
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/28/2016 12:23	121043
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/28/2016 12:23	121043
Iodomethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Isopropyl benzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/28/2016 12:23	121043
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/28/2016 12:23	121043
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/28/2016 12:23	121043
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Naphthalene	NELAP	10.0		ND	µg/L	1	07/28/2016 12:23	121043
n-Butyl acetate		25.0		ND	µg/L	1	07/28/2016 12:23	121043
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
n-Heptane		20.0		ND	µg/L	1	07/28/2016 12:23	121043
n-Hexane		20.0		ND	µg/L	1	07/28/2016 12:23	121043
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/28/2016 12:23	121043
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
o-Xylene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/28/2016 12:23	121043
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Propionitrile	NELAP	50.0		ND	µg/L	1	07/28/2016 12:23	121043
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Styrene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/28/2016 12:23	121043
Toluene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/28/2016 12:23	121043
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:23	121043
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/28/2016 12:23	121043



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

Lab ID: 16071689-002

Client Sample ID: CW-5

Matrix: GROUNDWATER

Collection Date: 07/27/2016 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/28/2016 12:23	121043
Surr: 1,2-Dichloroethane-d4		74.7-129		97.9	%REC	1	07/28/2016 12:23	121043
Surr: 4-Bromofluorobenzene		86-119		95.0	%REC	1	07/28/2016 12:23	121043
Surr: D bromofluoromethane		81.7-123		100.5	%REC	1	07/28/2016 12:23	121043
Surr: Toluene-d8		84.3-114		95.9	%REC	1	07/28/2016 12:23	121043

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-003

Client Sample ID: CW-6

Matrix: GROUNDWATER

Collection Date: 07/27/2016 14:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/28/2016 12:51	121043
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/28/2016 12:51	121043
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,2-D bromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,2-D bromoethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
2-Butanone	NELAP	25.0		ND	µg/L	1	07/28/2016 12:51	121043
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/28/2016 12:51	121043
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/28/2016 12:51	121043
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/28/2016 12:51	121043
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/28/2016 12:51	121043
Acetone	NELAP	25.0		ND	µg/L	1	07/28/2016 12:51	121043
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/28/2016 12:51	121043
Acrolein	NELAP	100		ND	µg/L	1	07/28/2016 12:51	121043
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Benzene	NELAP	2.0		ND	µg/L	1	07/28/2016 12:51	121043
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Bromoform	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Bromomethane	NELAP	10.0		ND	µg/L	1	07/28/2016 12:51	121043
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Chloroethane	NELAP	10.0		ND	µg/L	1	07/28/2016 12:51	121043

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-003

Client Sample ID: CW-6

Matrix: GROUNDWATER

Collection Date: 07/27/2016 14:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Chloromethane	NELAP	10.0		ND	µg/L	1	07/28/2016 12:51	121043
Chloroprene	NELAP	20.0		ND	µg/L	1	07/28/2016 12:51	121043
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Cyclohexanone		50.0		ND	µg/L	1	07/28/2016 12:51	121043
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/28/2016 12:51	121043
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/28/2016 12:51	121043
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/28/2016 12:51	121043
Iodomethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Isopropyl benzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/28/2016 12:51	121043
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/28/2016 12:51	121043
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/28/2016 12:51	121043
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Naphthalene	NELAP	10.0		ND	µg/L	1	07/28/2016 12:51	121043
n-Butyl acetate		25.0		ND	µg/L	1	07/28/2016 12:51	121043
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
n-Heptane		20.0		ND	µg/L	1	07/28/2016 12:51	121043
n-Hexane		20.0		ND	µg/L	1	07/28/2016 12:51	121043
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/28/2016 12:51	121043
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
o-Xylene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/28/2016 12:51	121043
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Propionitrile	NELAP	50.0		ND	µg/L	1	07/28/2016 12:51	121043
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Styrene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/28/2016 12:51	121043
Toluene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/28/2016 12:51	121043
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 12:51	121043
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/28/2016 12:51	121043

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-003

Client Sample ID: CW-6

Matrix: GROUNDWATER

Collection Date: 07/27/2016 14:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/28/2016 12:51	121043
Surr: 1,2-Dichloroethane-d4		74.7-129		96.6	%REC	1	07/28/2016 12:51	121043
Surr: 4-Bromofluorobenzene		86-119		94.1	%REC	1	07/28/2016 12:51	121043
Surr: D bromofluoromethane		81.7-123		100.3	%REC	1	07/28/2016 12:51	121043
Surr: Toluene-d8		84.3-114		96.4	%REC	1	07/28/2016 12:51	121043

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-004

Client Sample ID: CW-9

Matrix: GROUNDWATER

Collection Date: 07/27/2016 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/28/2016 13:20	121043
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/28/2016 13:20	121043
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,2-D bromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,2-D bromoethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
2-Butanone	NELAP	25.0		ND	µg/L	1	07/28/2016 13:20	121043
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/28/2016 13:20	121043
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/28/2016 13:20	121043
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/28/2016 13:20	121043
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/28/2016 13:20	121043
Acetone	NELAP	25.0		ND	µg/L	1	07/28/2016 13:20	121043
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/28/2016 13:20	121043
Acrolein	NELAP	100		ND	µg/L	1	07/28/2016 13:20	121043
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Benzene	NELAP	2.0		ND	µg/L	1	07/28/2016 13:20	121043
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Bromoform	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Bromomethane	NELAP	10.0		ND	µg/L	1	07/28/2016 13:20	121043
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Chloroethane	NELAP	10.0		ND	µg/L	1	07/28/2016 13:20	121043

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-004

Client Sample ID: CW-9

Matrix: GROUNDWATER

Collection Date: 07/27/2016 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Chloromethane	NELAP	10.0		ND	µg/L	1	07/28/2016 13:20	121043
Chloroprene	NELAP	20.0		ND	µg/L	1	07/28/2016 13:20	121043
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Cyclohexanone		50.0		ND	µg/L	1	07/28/2016 13:20	121043
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/28/2016 13:20	121043
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/28/2016 13:20	121043
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/28/2016 13:20	121043
Iodomethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Isopropyl benzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/28/2016 13:20	121043
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/28/2016 13:20	121043
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/28/2016 13:20	121043
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Naphthalene	NELAP	10.0		ND	µg/L	1	07/28/2016 13:20	121043
n-Butyl acetate		25.0		ND	µg/L	1	07/28/2016 13:20	121043
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
n-Heptane		20.0		ND	µg/L	1	07/28/2016 13:20	121043
n-Hexane		20.0		ND	µg/L	1	07/28/2016 13:20	121043
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/28/2016 13:20	121043
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
o-Xylene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/28/2016 13:20	121043
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Propionitrile	NELAP	50.0		ND	µg/L	1	07/28/2016 13:20	121043
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Styrene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/28/2016 13:20	121043
Toluene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/28/2016 13:20	121043
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:20	121043
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/28/2016 13:20	121043

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-004

Client Sample ID: CW-9

Matrix: GROUNDWATER

Collection Date: 07/27/2016 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/28/2016 13:20	121043
Surr: 1,2-Dichloroethane-d4		74.7-129		99.0	%REC	1	07/28/2016 13:20	121043
Surr: 4-Bromofluorobenzene		86-119		95.2	%REC	1	07/28/2016 13:20	121043
Surr: D bromofluoromethane		81.7-123		101.8	%REC	1	07/28/2016 13:20	121043
Surr: Toluene-d8		84.3-114		96.2	%REC	1	07/28/2016 13:20	121043

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-005

Client Sample ID: DUP

Matrix: GROUNDWATER

Collection Date: 07/27/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	07/28/2016 13:49	121043
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	07/28/2016 13:49	121043
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,2-D bromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,2-D bromoethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
2-Butanone	NELAP	25.0		ND	µg/L	1	07/28/2016 13:49	121043
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	07/28/2016 13:49	121043
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
2-Hexanone	NELAP	25.0		ND	µg/L	1	07/28/2016 13:49	121043
2-Nitropropane	NELAP	50.0		ND	µg/L	1	07/28/2016 13:49	121043
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	07/28/2016 13:49	121043
Acetone	NELAP	25.0		ND	µg/L	1	07/28/2016 13:49	121043
Acetonitrile	NELAP	50.0		ND	µg/L	1	07/28/2016 13:49	121043
Acrolein	NELAP	100		ND	µg/L	1	07/28/2016 13:49	121043
Acrylonitrile	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Allyl chloride	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Benzene	NELAP	2.0		ND	µg/L	1	07/28/2016 13:49	121043
Bromobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Bromochloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Bromoform	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Bromomethane	NELAP	10.0		ND	µg/L	1	07/28/2016 13:49	121043
Carbon disulfide	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Chlorobenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Chloroethane	NELAP	10.0		ND	µg/L	1	07/28/2016 13:49	121043

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

Lab ID: 16071689-005

Client Sample ID: DUP

Matrix: GROUNDWATER

Collection Date: 07/27/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Chloromethane	NELAP	10.0		ND	µg/L	1	07/28/2016 13:49	121043
Chloroprene	NELAP	20.0		ND	µg/L	1	07/28/2016 13:49	121043
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Cyclohexanone		50.0		ND	µg/L	1	07/28/2016 13:49	121043
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Dibromomethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	07/28/2016 13:49	121043
Ethyl acetate	NELAP	10.0		ND	µg/L	1	07/28/2016 13:49	121043
Ethyl ether	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Ethylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Hexachloroethane	NELAP	10.0		ND	µg/L	1	07/28/2016 13:49	121043
Iodomethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Isopropyl benzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	07/28/2016 13:49	121043
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	07/28/2016 13:49	121043
Methylacrylate	NELAP	10.0		ND	µg/L	1	07/28/2016 13:49	121043
Methylene chloride	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Naphthalene	NELAP	10.0		ND	µg/L	1	07/28/2016 13:49	121043
n-Butyl acetate		25.0		ND	µg/L	1	07/28/2016 13:49	121043
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
n-Heptane		20.0		ND	µg/L	1	07/28/2016 13:49	121043
n-Hexane		20.0		ND	µg/L	1	07/28/2016 13:49	121043
Nitrobenzene	NELAP	50.0		ND	µg/L	1	07/28/2016 13:49	121043
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
o-Xylene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Pentachloroethane	NELAP	20.0		ND	µg/L	1	07/28/2016 13:49	121043
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Propionitrile	NELAP	50.0		ND	µg/L	1	07/28/2016 13:49	121043
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Styrene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	07/28/2016 13:49	121043
Toluene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	07/28/2016 13:49	121043
Trichloroethene	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	07/28/2016 13:49	121043
Vinyl acetate	NELAP	10.0		ND	µg/L	1	07/28/2016 13:49	121043

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

Lab ID: 16071689-005

Client Sample ID: DUP

Matrix: GROUNDWATER

Collection Date: 07/27/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	07/28/2016 13:49	121043
Surr: 1,2-Dichloroethane-d4		74.7-129		99.2	%REC	1	07/28/2016 13:49	121043
Surr: 4-Bromofluorobenzene		86-119		94.3	%REC	1	07/28/2016 13:49	121043
Surr: D bromofluoromethane		81.7-123		101.2	%REC	1	07/28/2016 13:49	121043
Surr: Toluene-d8		84.3-114		96.4	%REC	1	07/28/2016 13:49	121043



Sample Summary

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
16071689-001	CW-4	Groundwater	1	07/27/2016 13:50
16071689-002	CW-5	Groundwater	1	07/27/2016 14:00
16071689-003	CW-6	Groundwater	1	07/27/2016 14:10
16071689-004	CW-9	Groundwater	1	07/27/2016 14:15
16071689-005	DUP	Groundwater	1	07/27/2016 0:00

Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

Sample ID	Client Sample ID	Collection Date	Received Date	
			Test Name	Prep Date/Time
16071689-001A	CW-4	07/27/2016 13:50	07/27/2016 15:12	
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		07/28/2016 11:54
16071689-002A	CW-5	07/27/2016 14:00	07/27/2016 15:12	
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		07/28/2016 12:23
16071689-003A	CW-6	07/27/2016 14:10	07/27/2016 15:12	
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		07/28/2016 12:51
16071689-004A	CW-9	07/27/2016 14:15	07/27/2016 15:12	
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		07/28/2016 13:20
16071689-005A	DUP	07/27/2016 0:00	07/27/2016 15:12	
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS		07/28/2016 13:49

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16071689
Report Date: 02-Aug-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	121043	SampType:	MBLK	Units	µg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
1,1,1,2-Tetrachloroethane		5.0		ND							07/28/2016
1,1,1-Trichloroethane		5.0		ND							07/28/2016
1,1,2,2-Tetrachloroethane		5.0		ND							07/28/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND							07/28/2016
1,1,2-Trichloroethane		5.0		ND							07/28/2016
1,1-Dichloro-2-propanone		50.0		ND							07/28/2016
1,1-Dichloroethane		5.0		ND							07/28/2016
1,1-Dichloroethene		5.0		ND							07/28/2016
1,1-Dichloropropene		5.0		ND							07/28/2016
1,2,3-Trichlorobenzene		5.0		ND							07/28/2016
1,2,3-Trichloropropane		5.0		ND							07/28/2016
1,2,3-Trimethylbenzene		5.0		ND							07/28/2016
1,2,4-Trichlorobenzene		5.0		ND							07/28/2016
1,2,4-Trimethylbenzene		5.0		ND							07/28/2016
1,2-D bromo-3-chloropropane		5.0		ND							07/28/2016
1,2-D bromoethane		5.0		ND							07/28/2016
1,2-Dichlorobenzene		5.0		ND							07/28/2016
1,2-Dichloroethane		5.0		ND							07/28/2016
1,2-Dichloropropane		5.0		ND							07/28/2016
1,3,5-Trimethylbenzene		5.0		ND							07/28/2016
1,3-Dichlorobenzene		5.0		ND							07/28/2016
1,3-Dichloropropane		5.0		ND							07/28/2016
1,4-Dichlorobenzene		5.0		ND							07/28/2016
1-Chlorobutane		5.0		ND							07/28/2016
2,2-Dichloropropane		5.0		ND							07/28/2016
2-Butanone		25.0		ND							07/28/2016
2-Chloroethyl vinyl ether		20.0		ND							07/28/2016
2-Chlorotoluene		5.0		ND							07/28/2016
2-Hexanone		25.0		ND							07/28/2016
2-Nitropropane		50.0		ND							07/28/2016
4-Chlorotoluene		5.0		ND							07/28/2016
4-Methyl-2-pentanone		25.0		ND							07/28/2016
Acetone		25.0		ND							07/28/2016
Acetonitrile		50.0		ND							07/28/2016
Acrolein		100		ND							07/28/2016
Acrylonitrile		5.0		ND							07/28/2016
Allyl chloride		5.0		ND							07/28/2016
Benzene		2.0		ND							07/28/2016
Bromobenzene		5.0		ND							07/28/2016
Bromochloromethane		5.0		ND							07/28/2016
Bromodichloromethane		5.0		ND							07/28/2016
Bromoform		5.0		ND							07/28/2016
Bromomethane		10.0		ND							07/28/2016
Carbon disulfide		5.0		ND							07/28/2016
Carbon tetrachloride		5.0		ND							07/28/2016
Chlorobenzene		5.0		ND							07/28/2016
Chloroethane		10.0		ND							07/28/2016

Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloroform	5.0		ND						07/28/2016
Chloromethane	10.0		ND						07/28/2016
Chloroprene	20.0		ND						07/28/2016
cis-1,2-Dichloroethene	5.0		ND						07/28/2016
cis-1,3-Dichloropropene	5.0		ND						07/28/2016
cis-1,4-Dichloro-2-butene	5.0		ND						07/28/2016
Cyclohexanone	50.0		ND						07/28/2016
Dibromochloromethane	5.0		ND						07/28/2016
Dibromomethane	5.0		ND						07/28/2016
Dichlorodifluoromethane	10.0		ND						07/28/2016
Ethyl acetate	10.0		ND						07/28/2016
Ethyl ether	5.0		ND						07/28/2016
Ethyl methacrylate	5.0		ND						07/28/2016
Ethylbenzene	5.0		ND						07/28/2016
Hexachlorobutadiene	5.0		ND						07/28/2016
Hexachloroethane	10.0		ND						07/28/2016
Iodomethane	5.0		ND						07/28/2016
Isopropyl benzene	5.0		ND						07/28/2016
m,p-Xylenes	5.0		ND						07/28/2016
Methacrylonitrile	10.0		ND						07/28/2016
Methyl Methacrylate	5.0		ND						07/28/2016
Methyl tert-butyl ether	2.0		ND						07/28/2016
Methylacrylate	10.0		ND						07/28/2016
Methylene chloride	5.0		ND						07/28/2016
Naphthalene	10.0		ND						07/28/2016
n-Butyl acetate	25.0		ND						07/28/2016
n-Butylbenzene	5.0		ND						07/28/2016
n-Heptane	20.0		ND						07/28/2016
n-Hexane	20.0		ND						07/28/2016
Nitrobenzene	50.0		ND						07/28/2016
n-Propylbenzene	5.0		ND						07/28/2016
o-Xylene	5.0		ND						07/28/2016
Pentachloroethane	20.0		ND						07/28/2016
p-Isopropyltoluene	5.0		ND						07/28/2016
Propionitrile	50.0		ND						07/28/2016
sec-Butylbenzene	5.0		ND						07/28/2016
Styrene	5.0		ND						07/28/2016
tert-Butylbenzene	5.0		ND						07/28/2016
Tetrachloroethene	5.0		ND						07/28/2016
Tetrahydrofuran	20.0		ND						07/28/2016
Toluene	5.0		ND						07/28/2016
trans-1,2-Dichloroethene	5.0		ND						07/28/2016
trans-1,3-Dichloropropene	5.0		ND						07/28/2016
trans-1,4-Dichloro-2-butene	10.0		ND						07/28/2016
Trichloroethene	5.0		ND						07/28/2016
Trichlorofluoromethane	5.0		ND						07/28/2016
Vinyl acetate	10.0		ND						07/28/2016

Quality Control Results

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Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 121043 **SampType:** MBLK **Units** µg/L

SamplID: MBLK-R160728A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vinyl chloride	2.0		ND						07/28/2016
Surr: 1,2-Dichloroethane-d4			48.2	50.00		96.5	74.7	129	07/28/2016
Surr: 4-Bromofluorobenzene			47.4	50.00		94.7	86	119	07/28/2016
Surr: D bromofluoromethane			49.6	50.00		99.2	81.7	123	07/28/2016
Surr: Toluene-d8			48.4	50.00		96.8	84.3	114	07/28/2016

Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	121043	SampType:	LCSD	Units	µg/L	RPD Limit 40									Date Analyzed
				SamplID:	LCSD-R160728A-1	Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
1,1,1,2-Tetrachloroethane			5.0			53.7	50.00	0	107.3		50.81		5.47		07/28/2016
1,1,1-Trichloroethane			5.0			52.1	50.00	0	104.3		49.64		4.91		07/28/2016
1,1,2,2-Tetrachloroethane			5.0			46.6	50.00	0	93.1		44.96		3.48		07/28/2016
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0			51.3	50.00	0	102.6		48.64		5.32		07/28/2016
1,1,2-Trichloroethane			5.0			49.7	50.00	0	99.4		47.80		3.94		07/28/2016
1,1-Dichloro-2-propanone			50.0			121	125.0	0	96.6		119.9		0.64		07/28/2016
1,1-Dichloroethane			5.0			49.8	50.00	0	99.5		47.52		4.61		07/28/2016
1,1-Dichloroethene			5.0			48.0	50.00	0	95.9		46.16		3.85		07/28/2016
1,1-Dichloropropene			5.0			52.2	50.00	0	104.4		49.82		4.63		07/28/2016
1,2,3-Trichlorobenzene			5.0			54.3	50.00	0	108.6		51.79		4.70		07/28/2016
1,2,3-Trichloropropane			5.0			46.3	50.00	0	92.6		44.22		4.64		07/28/2016
1,2,3-Trimethylbenzene			5.0			51.0	50.00	0	101.9		48.81		4.33		07/28/2016
1,2,4-Trichlorobenzene			5.0			53.1	50.00	0	106.3		50.66		4.76		07/28/2016
1,2,4-Trimethylbenzene			5.0			51.7	50.00	0	103.4		49.99		3.40		07/28/2016
1,2-D bromo-3-chloropropane			5.0			44.3	50.00	0	88.6		41.82		5.78		07/28/2016
1,2-D bromoethane			5.0			49.4	50.00	0	98.8		47.62		3.69		07/28/2016
1,2-Dichlorobenzene			5.0			51.5	50.00	0	102.9		49.05		4.81		07/28/2016
1,2-Dichloroethane			5.0			48.7	50.00	0	97.3		46.50		4.54		07/28/2016
1,2-Dichloropropane			5.0			49.6	50.00	0	99.3		47.66		4.07		07/28/2016
1,3,5-Trimethylbenzene			5.0			52.5	50.00	0	105.0		50.39		4.06		07/28/2016
1,3-Dichlorobenzene			5.0			51.3	50.00	0	102.7		49.67		3.29		07/28/2016
1,3-Dichloropropane			5.0			48.1	50.00	0	96.2		46.42		3.58		07/28/2016
1,4-Dichlorobenzene			5.0			51.0	50.00	0	102.0		49.14		3.70		07/28/2016
1-Chlorobutane			5.0			49.5	50.00	0	99.0		47.03		5.16		07/28/2016
2,2-Dichloropropane			5.0			56.6	50.00	0	113.2		54.93		3.03		07/28/2016
2-Butanone			25.0			117	125.0	0	93.6		114.5		2.18		07/28/2016
2-Chloroethyl vinyl ether			20.0			72.3	50.00	0	144.7		69.20		4.44		07/28/2016
2-Chlorotoluene			5.0			50.6	50.00	0	101.2		47.99		5.31		07/28/2016
2-Hexanone			25.0			112	125.0	0	89.9		109.3		2.73		07/28/2016
2-Nitropropane			50.0			509	500.0	0	101.8		491.2		3.50		07/28/2016
4-Chlorotoluene			5.0			50.1	50.00	0	100.1		47.93		4.35		07/28/2016
4-Methyl-2-pentanone			25.0			118	125.0	0	94.1		114.3		2.83		07/28/2016
Acetone			25.0			102	125.0	0	81.6		100.9		1.03		07/28/2016
Acetonitrile			50.0			448	500.0	0	89.7		431.1		3.95		07/28/2016
Acrolein			100			399	500.0	0	79.7		395.5		0.76		07/28/2016
Acrylonitrile			5.0			49.4	50.00	0	98.8		47.38		4.15		07/28/2016
Allyl chloride			5.0			52.5	50.00	0	104.9		50.71		3.39		07/28/2016
Benzene			2.0			51.6	50.00	0	103.2		49.46		4.22		07/28/2016
Bromobenzene			5.0			49.0	50.00	0	97.9		46.47		5.20		07/28/2016
Bromoform			5.0			45.9	50.00	0	91.8		44.48		3.10		07/28/2016
Bromochloromethane			5.0			51.4	50.00	0	102.9		49.27		4.31		07/28/2016
Bromodichloromethane			5.0			54.2	50.00	0	108.4		52.40		3.41		07/28/2016
Bromoform			10.0			39.1	50.00	0	78.1		35.64		9.18		07/28/2016
Carbon disulfide			5.0			46.9	50.00	0	93.7		44.69		4.74		07/28/2016
Carbon tetrachloride			5.0			54.2	50.00	0	108.4		51.30		5.53		07/28/2016
Chlorobenzene			5.0			51.3	50.00	0	102.6		49.32		3.92		07/28/2016
Chloroethane			10.0			44.4	50.00	0	88.7		42.97		3.16		07/28/2016

Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	121043	SampType:	LCSD	Units	µg/L	RPD Limit 40						Date Analyzed
						Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
				SampID:	LCSD-R160728A-1							
Analyses		RL	Qual									
Chloroform		5.0				49.7	50.00	0	99.3	47.54	4.36	07/28/2016
Chloromethane		10.0				31.3	50.00	0	62.6	30.68	1.97	07/28/2016
Chloroprene		20.0				48.1	50.00	0	96.2	45.83	4.83	07/28/2016
cis-1,2-Dichloroethene		5.0				48.5	50.00	0	97.1	46.57	4.14	07/28/2016
cis-1,3-Dichloropropene		5.0				52.5	50.00	0	105.0	49.86	5.14	07/28/2016
cis-1,4-Dichloro-2-butene		5.0				46.3	50.00	0	92.6	45.01	2.87	07/28/2016
Cyclohexanone		50.0				358	500.0	0	71.6	354.5	0.92	07/28/2016
Dibromochloromethane		5.0				52.0	50.00	0	104.0	50.28	3.32	07/28/2016
Dibromomethane		5.0				49.2	50.00	0	98.5	47.60	3.39	07/28/2016
Dichlorodifluoromethane		10.0				29.3	50.00	0	58.7	28.06	4.46	07/28/2016
Ethyl acetate		10.0				45.2	50.00	0	90.3	43.21	4.44	07/28/2016
Ethyl ether		5.0				48.2	50.00	0	96.5	45.60	5.61	07/28/2016
Ethyl methacrylate		5.0				49.7	50.00	0	99.3	47.98	3.44	07/28/2016
Ethylbenzene		5.0				52.0	50.00	0	104.1	50.22	3.58	07/28/2016
Hexachlorobutadiene		5.0				57.9	50.00	0	115.8	56.83	1.85	07/28/2016
Hexachloroethane		10.0				52.6	50.00	0	105.3	50.34	4.49	07/28/2016
Iodomethane		5.0				46.9	50.00	0	93.8	44.58	5.07	07/28/2016
Isopropyl benzene		5.0				55.3	50.00	0	110.7	52.78	4.74	07/28/2016
m,p-Xylenes		5.0				105	100.0	0	105.2	101.2	3.87	07/28/2016
Methacrylonitrile		10.0				51.1	50.00	0	102.2	49.01	4.18	07/28/2016
Methyl Methacrylate		5.0				48.7	50.00	0	97.4	47.11	3.32	07/28/2016
Methyl tert-butyl ether		2.0				52.1	50.00	0	104.2	50.10	3.93	07/28/2016
Methylacrylate		10.0				49.1	50.00	0	98.2	47.47	3.34	07/28/2016
Methylene chloride		5.0				46.5	50.00	0	93.0	44.14	5.16	07/28/2016
Naphthalene		10.0				52.3	50.00	0	104.7	50.34	3.88	07/28/2016
n-Butyl acetate		25.0				45.8	50.00	0	91.7	43.99	4.10	07/28/2016
n-Butylbenzene		5.0				51.8	50.00	0	103.7	50.09	3.43	07/28/2016
n-Heptane		20.0				49.8	50.00	0	99.5	49.01	1.54	07/28/2016
n-Hexane		20.0				48.4	50.00	0	96.8	46.84	3.32	07/28/2016
Nitrobenzene		50.0				389	500.0	0	77.8	376.3	3.25	07/28/2016
n-Propylbenzene		5.0				50.8	50.00	0	101.5	48.76	4.02	07/28/2016
o-Xylene		5.0				52.9	50.00	0	105.8	50.55	4.52	07/28/2016
Pentachloroethane		20.0				53.4	50.00	0	106.8	50.79	4.97	07/28/2016
p-Isopropyltoluene		5.0				54.6	50.00	0	109.2	52.96	3.07	07/28/2016
Propionitrile		50.0				482	500.0	0	96.5	467.7	3.08	07/28/2016
sec-Butylbenzene		5.0				53.2	50.00	0	106.3	50.84	4.48	07/28/2016
Styrene		5.0				54.2	50.00	0	108.3	52.13	3.84	07/28/2016
tert-Butylbenzene		5.0				49.6	50.00	0	99.3	47.86	3.67	07/28/2016
Tetrachloroethene		5.0				53.7	50.00	0	107.4	51.93	3.37	07/28/2016
Tetrahydrofuran		20.0				45.1	50.00	0	90.2	44.21	1.95	07/28/2016
Toluene		5.0				50.3	50.00	0	100.6	48.34	4.01	07/28/2016
trans-1,2-Dichloroethene		5.0				47.9	50.00	0	95.7	46.14	3.66	07/28/2016
trans-1,3-Dichloropropene		5.0				50.1	50.00	0	100.2	47.79	4.76	07/28/2016
trans-1,4-Dichloro-2-butene		10.0				44.5	50.00	0	89.0	43.23	2.90	07/28/2016
Trichloroethene		5.0				53.0	50.00	0	106.0	50.76	4.36	07/28/2016
Trichlorofluoromethane		5.0				50.2	50.00	0	100.5	48.06	4.46	07/28/2016
Vinyl acetate		10.0				51.1	50.00	0	102.2	54.35	6.16	07/28/2016

Quality Control Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	121043	SampType	LCSD	Units	µg/L	RPD Limit 40					Date Analyzed	
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	
Vinyl chloride		2.0		40.8	50.00	0	81.5	39.45	3.29	07/28/2016		
Surr: 1,2-Dichloroethane-d4				47.1	50.00		94.1			07/28/2016		
Surr: 4-Bromofluorobenzene				46.8	50.00		93.5			07/28/2016		
Surr: D bromofluoromethane				50.2	50.00		100.4			07/28/2016		
Surr: Toluene-d8				48.0	50.00		96.0			07/28/2016		

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Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	121043	SampType:	LCS	Units	µg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
1,1,1,2-Tetrachloroethane		5.0		50.8	50.00	0	101.6		81.9	115	07/28/2016
1,1,1-Trichloroethane		5.0		49.6	50.00	0	99.3		79.4	124	07/28/2016
1,1,2,2-Tetrachloroethane		5.0		45.0	50.00	0	89.9		74.7	116	07/28/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		48.6	50.00	0	97.3		72.9	121	07/28/2016
1,1,2-Trichloroethane		5.0		47.8	50.00	0	95.6		80.8	111	07/28/2016
1,1-Dichloro-2-propanone		50.0		120	125.0	0	95.9		66.3	130	07/28/2016
1,1-Dichloroethane		5.0		47.5	50.00	0	95.0		79.4	114	07/28/2016
1,1-Dichloroethene		5.0		46.2	50.00	0	92.3		74.1	117	07/28/2016
1,1-Dichloropropene		5.0		49.8	50.00	0	99.6		81.7	116	07/28/2016
1,2,3-Trichlorobenzene		5.0		51.8	50.00	0	103.6		79.7	118	07/28/2016
1,2,3-Trichloropropane		5.0		44.2	50.00	0	88.4		77.3	112	07/28/2016
1,2,3-Trimethylbenzene		5.0		48.8	50.00	0	97.6		79.9	119	07/28/2016
1,2,4-Trichlorobenzene		5.0		50.7	50.00	0	101.3		79.3	118	07/28/2016
1,2,4-Trimethylbenzene		5.0		50.0	50.00	0	100.0		78.7	115	07/28/2016
1,2-D bromo-3-chloropropane		5.0		41.8	50.00	0	83.6		76	122	07/28/2016
1,2-D bromoethane		5.0		47.6	50.00	0	95.2		80.8	114	07/28/2016
1,2-Dichlorobenzene		5.0		49.0	50.00	0	98.1		78.3	112	07/28/2016
1,2-Dichloroethane		5.0		46.5	50.00	0	93.0		70.6	118	07/28/2016
1,2-Dichloropropane		5.0		47.7	50.00	0	95.3		79.6	113	07/28/2016
1,3,5-Trimethylbenzene		5.0		50.4	50.00	0	100.8		77.5	115	07/28/2016
1,3-Dichlorobenzene		5.0		49.7	50.00	0	99.3		78.6	117	07/28/2016
1,3-Dichloropropane		5.0		46.4	50.00	0	92.8		78.8	112	07/28/2016
1,4-Dichlorobenzene		5.0		49.1	50.00	0	98.3		77.8	114	07/28/2016
1-Chlorobutane		5.0		47.0	50.00	0	94.1		78.6	115	07/28/2016
2,2-Dichloropropane		5.0		54.9	50.00	0	109.9		74.9	130	07/28/2016
2-Butanone		25.0		114	125.0	0	91.6		70.7	136	07/28/2016
2-Chloroethyl vinyl ether		20.0		69.2	50.00	0	138.4		52.5	145	07/28/2016
2-Chlorotoluene		5.0		48.0	50.00	0	96.0		77.4	114	07/28/2016
2-Hexanone		25.0		109	125.0	0	87.4		73.3	125	07/28/2016
2-Nitropropane		50.0		491	500.0	0	98.2		67.3	139	07/28/2016
4-Chlorotoluene		5.0		47.9	50.00	0	95.9		78.3	115	07/28/2016
4-Methyl-2-pentanone		25.0		114	125.0	0	91.5		76.3	122	07/28/2016
Acetone		25.0		101	125.0	0	80.8		56.4	147	07/28/2016
Acetonitrile		50.0		431	500.0	0	86.2		59.3	129	07/28/2016
Acrolein		100		396	500.0	0	79.1		1	201	07/28/2016
Acrylonitrile		5.0		47.4	50.00	0	94.8		74.1	128	07/28/2016
Allyl chloride		5.0		50.7	50.00	0	101.4		71.5	123	07/28/2016
Benzene		2.0		49.5	50.00	0	98.9		80	114	07/28/2016
Bromobenzene		5.0		46.5	50.00	0	92.9		73.2	118	07/28/2016
Bromochloromethane		5.0		44.5	50.00	0	89.0		73.3	121	07/28/2016
Bromodichloromethane		5.0		49.3	50.00	0	98.5		81.6	121	07/28/2016
Bromoform		5.0		52.4	50.00	0	104.8		83.1	127	07/28/2016
Bromomethane		10.0		35.6	50.00	0	71.3		44.4	154	07/28/2016
Carbon disulfide		5.0		44.7	50.00	0	89.4		73.2	118	07/28/2016
Carbon tetrachloride		5.0		51.3	50.00	0	102.6		79.4	130	07/28/2016
Chlorobenzene		5.0		49.3	50.00	0	98.6		81.4	110	07/28/2016
Chloroethane		10.0		43.0	50.00	0	85.9		52.1	137	07/28/2016

Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	121043	SampType	LCS	Units	µg/L						Date Analyzed	
SamplD: LCS-R160728A-1												
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
Chloroform		5.0			47.5	50.00	0	95.1		82.7	116	07/28/2016
Chloromethane		10.0			30.7	50.00	0	61.4		48.2	144	07/28/2016
Chloroprene		20.0			45.8	50.00	0	91.7		80.6	126	07/28/2016
cis-1,2-Dichloroethene		5.0			46.6	50.00	0	93.1		78.2	116	07/28/2016
cis-1,3-Dichloropropene		5.0			49.9	50.00	0	99.7		83	119	07/28/2016
cis-1,4-Dichloro-2-butene		5.0			45.0	50.00	0	90.0		60.7	137	07/28/2016
Cyclohexanone		50.0			355	500.0	0	70.9		54.2	145	07/28/2016
Dibromochloromethane		5.0			50.3	50.00	0	100.6		81.2	121	07/28/2016
Dibromomethane		5.0			47.6	50.00	0	95.2		78.3	118	07/28/2016
Dichlorodifluoromethane		10.0			28.1	50.00	0	56.1		20.6	154	07/28/2016
Ethyl acetate		10.0			43.2	50.00	0	86.4		73.1	116	07/28/2016
Ethyl ether		5.0			45.6	50.00	0	91.2		75.2	109	07/28/2016
Ethyl methacrylate		5.0			48.0	50.00	0	96.0		80.1	113	07/28/2016
Ethylbenzene		5.0			50.2	50.00	0	100.4		77.2	113	07/28/2016
Hexachlorobutadiene		5.0			56.8	50.00	0	113.7		77.3	123	07/28/2016
Hexachloroethane		10.0			50.3	50.00	0	100.7		74.6	117	07/28/2016
Iodomethane		5.0			44.6	50.00	0	89.2		61.3	140	07/28/2016
Isopropyl benzene		5.0			52.8	50.00	0	105.6		81.3	114	07/28/2016
m,p-Xylenes		5.0			101	100.0	0	101.2		79.6	113	07/28/2016
Methacrylonitrile		10.0			49.0	50.00	0	98.0		77.2	125	07/28/2016
Methyl Methacrylate		5.0			47.1	50.00	0	94.2		74.2	121	07/28/2016
Methyl tert-butyl ether		2.0			50.1	50.00	0	100.2		76.8	117	07/28/2016
Methylacrylate		10.0			47.5	50.00	0	94.9		78	124	07/28/2016
Methylene chloride		5.0			44.1	50.00	0	88.3		74.1	114	07/28/2016
Naphthalene		10.0			50.3	50.00	0	100.7		77.9	122	07/28/2016
n-Butyl acetate		25.0			44.0	50.00	0	88.0		74	120	07/28/2016
n-Butylbenzene		5.0			50.1	50.00	0	100.2		71.1	120	07/28/2016
n-Heptane		20.0			49.0	50.00	0	98.0		67.4	129	07/28/2016
n-Hexane		20.0			46.8	50.00	0	93.7		68.4	126	07/28/2016
Nitrobenzene		50.0			376	500.0	0	75.3		37.9	181	07/28/2016
n-Propylbenzene		5.0			48.8	50.00	0	97.5		74.6	118	07/28/2016
o-Xylene		5.0			50.6	50.00	0	101.1		80.1	111	07/28/2016
Pentachloroethane		20.0			50.8	50.00	0	101.6		78.8	117	07/28/2016
p-Isopropyltoluene		5.0			53.0	50.00	0	105.9		77.6	118	07/28/2016
Propionitrile		50.0			468	500.0	0	93.5		72.9	137	07/28/2016
sec-Butylbenzene		5.0			50.8	50.00	0	101.7		74.5	119	07/28/2016
Styrene		5.0			52.1	50.00	0	104.3		83.4	113	07/28/2016
tert-Butylbenzene		5.0			47.9	50.00	0	95.7		75.9	114	07/28/2016
Tetrachloroethene		5.0			51.9	50.00	0	103.9		72.5	125	07/28/2016
Tetrahydrofuran		20.0			44.2	50.00	0	88.4		69.6	125	07/28/2016
Toluene		5.0			48.3	50.00	0	96.7		77.5	113	07/28/2016
trans-1,2-Dichloroethene		5.0			46.1	50.00	0	92.3		79	114	07/28/2016
trans-1,3-Dichloropropene		5.0			47.8	50.00	0	95.6		78	115	07/28/2016
trans-1,4-Dichloro-2-butene		10.0			43.2	50.00	0	86.5		63.3	128	07/28/2016
Trichloroethene		5.0			50.8	50.00	0	101.5		84.4	114	07/28/2016
Trichlorofluoromethane		5.0			48.1	50.00	0	96.1		75.2	132	07/28/2016
Vinyl acetate		10.0			54.4	50.00	0	108.7		64.5	127	07/28/2016

Quality Control Results

<http://www.teklabinc.com/>
Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	121043	SampType:	LCS	Units µg/L							Date Analyzed
SampID: LCS-R160728A-1											
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
Vinyl chloride		2.0		39.4	50.00	0	78.9		58	134	07/28/2016
Sur: 1,2-Dichloroethane-d4				47.2	50.00		94.5		74.7	129	07/28/2016
Sur: 4-Bromofluorobenzene				46.5	50.00		93.1		86	119	07/28/2016
Sur: D bromofluoromethane				50.7	50.00		101.5		81.7	123	07/28/2016
Sur: Toluene-d8				48.2	50.00		96.4		84.1	114	07/28/2016

Batch 121043 SampType: MS Units µg/L

Batch	121043	SampType:	MS	Units µg/L							Date Analyzed
SampID: 16071689-001AMS											
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
1,1-Dichloroethene		5.0		53.0	50.00	0	105.9		35.7	136	07/28/2016
Benzene		2.0		58.6	50.00	0	117.3		62.5	121	07/28/2016
Chlorobenzene		5.0		56.0	50.00	0	112.0		78.6	114	07/28/2016
Ethylbenzene		5.0		58.2	50.00	0	116.5		74.4	130	07/28/2016
m,p-Xylenes		5.0		57.1	50.00	0	114.3		70.5	126	07/28/2016
o-Xylene		5.0		56.6	50.00	0	113.3		71.2	124	07/28/2016
Toluene		5.0		54.1	50.00	0	108.2		69.5	118	07/28/2016
Trichloroethene		5.0	S	60.3	50.00	0	120.6		69.4	117	07/28/2016
Sur: 1,2-Dichloroethane-d4				50.1	50.00		100.1		74.7	129	07/28/2016
Sur: 4-Bromofluorobenzene				48.0	50.00		96.1		86	119	07/28/2016
Sur: D bromofluoromethane				50.6	50.00		101.3		81.7	123	07/28/2016
Sur: Toluene-d8				47.6	50.00		95.2		84.3	114	07/28/2016

Batch 121043 SampType: MSD Units µg/L RPD Limit 20

Batch	121043	SampType:	MSD	Units µg/L RPD Limit 20							Date Analyzed
SampID: 16071689-001AMSD											
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD
1,1-Dichloroethene		5.0		48.5	50.00	0	97.0		52.95	8.81	07/28/2016
Benzene		2.0		53.2	50.00	0	106.5		58.65	9.65	07/28/2016
Chlorobenzene		5.0		52.5	50.00	0	105.0		55.99	6.41	07/28/2016
Ethylbenzene		5.0		54.7	50.00	0	109.5		58.25	6.21	07/28/2016
m,p-Xylenes		5.0		53.3	50.00	0	106.6		57.13	6.92	07/28/2016
o-Xylene		5.0		52.8	50.00	0	105.7		56.64	6.92	07/28/2016
Toluene		5.0		50.4	50.00	0	100.7		54.12	7.18	07/28/2016
Trichloroethene		5.0		55.3	50.00	0	110.5		60.28	8.69	07/28/2016
Sur: 1,2-Dichloroethane-d4				49.0	50.00		97.9				07/28/2016
Sur: 4-Bromofluorobenzene				47.4	50.00		94.9				07/28/2016
Sur: D bromofluoromethane				50.3	50.00		100.6				07/28/2016
Sur: Toluene-d8				48.2	50.00		96.4				07/28/2016

Receiving Check List

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16071689

Client Project: Huster Road Substation 120-678

Report Date: 02-Aug-16

Carrier: Monte Peake

Received By: KF

Completed by:

On:

27-Jul-16

Kalyn Foecke

Kalyn Foecke

Reviewed by:

On:

27-Jul-16

Elizabeth A. Hurley

Elizabeth A. Hurley

Pages to follow: Chain of custody 1

Extra pages included 0

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 20.22
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input type="checkbox"/>	Blue Ice <input checked="" type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
<i>When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.</i>				
Water – at least one vial per sample has zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input type="checkbox"/>	
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	

Any No responses must be detailed below or on the COC.

CHAIN OF CUSTODY

pg. 1 of 1 Work order # 16071689

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client.

BottleOrder: 26200



2571